

Docket: NEB-154

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: Evans, et al.

EXAMINER:

SERIAL NO.:

GROUP:

EXPRESS MAIL LABEL NO.: EE466580584US

FILED:

FOR: Intein-Mediated Protein Ligation of Expressed
Proteins

The Honorable Commissioner of
Patents and Trademarks
Washington, DC 20231

Sir:

**STATEMENTS IN SUPPORT OF FILING AND SUBMISSIONS
IN ACCORDANCE WITH 37 C.F.R. §§1.821.1-1.825**

In accordance with 37 C.F.R. §§1.821-1.825, I hereby state that the content of the paper and computer-readable copy of the sequence listing submitted in accordance with 37 C.F.R. §1.821(c) and (e), respectively, are the same. I hereby state that the submission, filed in accordance with 37 C.F.R. §1.821(g) does not introduce new matter.

Respectfully submitted,

NEW ENGLAND BIOLABS, INC.

Date: 2/12/99



Gregory D. Williams
(Reg. No.: 30901)
Attorney for Applicant
32 Tozer Road
Beverly, MA 01915



SEQUENCE LISTING

<110> Evans, Thomas
Xu, Ming-Qun

<120> Intein-Mediated Protein Ligation Of Expressed Proteins

<130> NEB-154

<140>

<141>

<160> 24

<170> PatentIn Ver. 2.0

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<213> Artificial Sequence

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Synthesized From Methanobacterium
thermoautotrophicum.

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<212> DNA

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Synthesized From Methanobacterium
thermoautotrophicum.

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<210> 3

<211> 100

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Chemically
Synthesized From Methanobacterium
thermoautotrophicum.

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<212> DNA

<213> Artificial Sequence

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Synthesized From Methanobacterium
thermoautotrophicum.

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<211> 87

<212> DNA

<213> Artificial Sequence

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tatgacgcta ctgtttacgg tgctagc 87

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<212> DNA

<213> Artificial Sequence

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thermoautotrophicum.

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<210> 8
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Synthesized From Methanobacterium
thermoautotrophicum.

<400> 8
gccattccag gccaccatcc atcaccagaa cacggtgatc atgggtcaaa cgtaagcaat 60
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thermoautotrophicum.

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Synthesized From Methanobacterium
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<210> 11

<211> 45

<212> DNA

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<210> 12

<211> 45

<212> DNA

<213> Artificial Sequence

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<210> 13

<211> 36

<212> DNA

<213> Artificial Sequence

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<400> 13

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<210> 14
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<212> DNA
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thermoautotrophicum.

<400> 14
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<210> 15
<211> 54
<212> DNA
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<400> 15
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<210> 16
<211> 54
<212> DNA
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<211> 54
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Synthesized From Methanobacterium

667627-61561660

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Cont

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<210> 18
<211> 54
<212> DNA
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<220>
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<400> 18
ctagtcatta caatgggtgc accggatacg gcgcggttg ttgcctcgat gcc 54

<210> 19
<211> 28
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Synthesized From Methanobacterium
thermoautotrophicum.

<400> 19
gtacacgcat gcggcgagca gcccgga 28

<210> 20
<211> 28
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Synthesized From Methanobacterium
thermoautotrophicum.

<400> 20
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<210> 21
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Gene*ethan

Sub
at
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Synthesized From Methanobacterium
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<400> 21

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<210> 22

<211> 7

<212> PRT

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<400> 22

Cys Gly Glu Gln Pro Thr Gly
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<210> 23

<211> 462

<212> DNA

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ggctcagggt acccctgccc ctcagggttc ttcaggacct gtgaacggga cgtatatgat 180
cttagaacca gggagggtca ttgcttaagg ttgacccatg atcacagggt ccttgtaatg 240
gatggtggtc tggaatggcg tgccgcgggt gaacttgaaa ggggagaccg ccttgatgatg 300
gatgatgctg caggggagtt tccggcactt gcaaccttca gaggcctcag gggcgccggc 360
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<210> 24

<211> 447

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thermoautotrophicum.

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ggcgagtttc	cggcactggc	aaccttcctg	ggcctgcgtg	gcgctggccg	ccaggatggt	360
tatgacgcta	ctgtttacgg	tgctagcgca	ttcactgcta	atggcttcac	tgtacacaac	420
tgtggcgagc	agccaaccgg	tgaattc				447

Sub
at
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